

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/093719 A1

(51) International Patent Classification⁷: **G11B 5/667**,
5/66, 5/84, H01F 10/06, 10/16

(21) International Application Number:
PCT/JP2005/006228

(22) International Filing Date: 24 March 2005 (24.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-091014 26 March 2004 (26.03.2004) JP
60/558,556 2 April 2004 (02.04.2004) US

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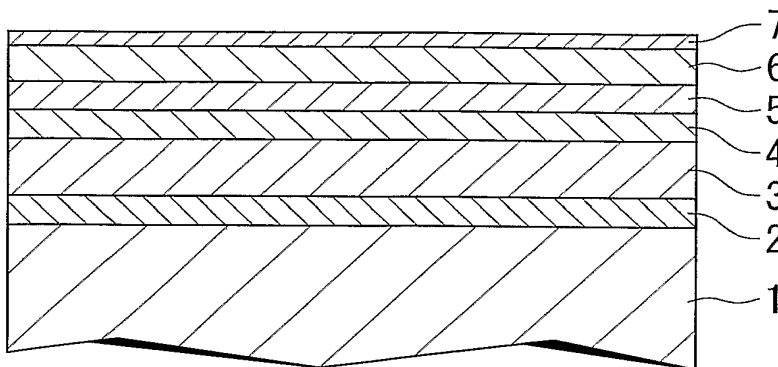
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: PERPENDICULAR MAGNETIC RECORDING MEDIUM USING SOFT MAGNETIC LAYER WHICH
SUPPRESSES NOISE GENERATION, AND PERPENDICULAR MAGNETIC RECORDING APPARATUS THEREWITH



(57) Abstract: The magnetic recording medium of the present invention has a substrate, a perpendicular magnetic recording layer, and a soft magnetic layer formed therebetween, having a thickness of less than 100 nm, the soft magnetic layer having a magnetic anisotropy in a surface direction, and product Bs Hc, which is a production of a saturation magnetic flux density Bs and a coercive force Hc, of not less than 79 T Aim (10 kG Oe). By making the thickness of the soft magnetic layer into the above-mentioned range, the magnetic anisotropy in surface direction can be stabilized. magnetostatic energy can be increased sufficiently by making the Bs • He the above-mentioned range. Therefore, generating of the magnetic wall in the soft magnetic layer can be suppressed, the noise generating from the soft magnetic layer can be suppressed, and a high-density recording is enabled.

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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

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